

Claims

We claim:

1. A method for tracking predetermined activities for a terminal display,
the method comprising:

providing a series of displays on the terminal display, at least some
of the displays requiring interactions from a user and being
referred to as interactive displays;

capturing one of the interactive displays after the one of the
interactive displays has been altered with at least one interaction
from the user in accordance with a predetermined requirement;

saving the captured display into an image;

continuing to successively display a next one of the interactive
displays till a last one of the interactive displays, wherein each of
the interactive displays is captured in a sequence of being
displayed, and each of the captured displays includes at least
one interaction from the user in accordance with a predetermined
requirement; and

sending at least some of the captured displays to a server.

2. The method of claim 1 further comprising generating one or more
attributes to be associated with each of the captured displays.

3. The method of claim 2, wherein the one or more attributes includes
an alphanumeric character string.

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4. The method as recited in claim 3, wherein the alphanumeric character string is encrypted.

10 5. The method as recited in claim 3, wherein the alphanumeric character string pertains to a time at which any of the interactive displays was altered.

15 6. The method as recited in claim 2, wherein the one or more attributes include one or more of (1) a time stamp, (2) an electronic signature, (3) terminal device location information, (4) information relating to the terminal display, (5) user information, (6) relative sequence index, or (7) system provided information.

20 7. The method as recited in claim 1, wherein the interaction includes one or more of (i) an entry by the user, (ii) a click by the user and (iii) a word or phrase.

25 8. The method as recited in claim 1, wherein the sending of at least some of the captured displays to the server includes compressing the captured displays into a file according to a compression scheme.

9. A method for tracking predetermined activities for a terminal display, the method comprising:

30 uploading a file to a display device upon receiving a playback request, wherein the file includes a representation of a series of captured screen displays of a terminal display associated with a

5 user, wherein each of the screen displays reflects at least a
change entered by the user in comparing with an original version
thereof; and
displaying the series of screen displays on the display device in a
specified order to show how the user has altered each of the
10 screen displays.

10. The method as recited in claim 9, where the series of screen
displays is analyzed by an OCR.

11. A terminal device for tracking predetermined activities therewith, the
15 terminal device comprising:
a display screen;
a memory space provided with data, the data configured to generate
a series of displays for the display screen, at least some of the
displays requiring interactions from a user and being referred to
20 as interactive displays;
an embedded module automatically triggered to capture a portion of
the data corresponding to one of the interactive displays after the
one of the interactive displays has been altered with at least one
interaction from the user in accordance with a predetermined
25 requirement, wherein the embedded module is configured to save
the portion of the data and forward a file including the portion of
the data to a server.

12. The terminal device of claim 11, wherein the file includes other
30 captured data related to some of the interactive displays

5 13. The terminal device of claim 12, wherein the embedded module includes generating one or more attributes to be associated with the portion of the data.

10 14. The terminal device of claim 13, wherein the one or more attributes includes an alphanumeric character string.

 15. The terminal device of claim 14, wherein the alphanumeric character string is encrypted.

15 16. The terminal device of claim 14, wherein the alphanumeric character string pertains to a time at which any of the interactive displays was altered.

 17. The terminal device of claim 14, wherein the one or more attributes include one or more of (1) a time stamp, (2) an electronic signature, (3)
20 terminal device location information, (4) information relating to the terminal display, (5) user information, (6) relative sequence index, or (7) system provided information.

 18. The terminal device of claim 11, wherein the interaction includes one
25 or more of (i) an entry by the user, (ii) a click by the user and (iii) a word or phrase.

 19. The terminal device of claim 11, wherein the embedded module includes compressing the portion of the data according to a compression
30 scheme.

5 20. The terminal device of claim 11, wherein the file pertains to image
pixels and is subjects to be analyzed by an OCR engine at the server.

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